



-0261-2 DIV

<110> HILLMAN, Jennifer L.
GOLI, Surya K.

<120> CALCIUM-BINDING PROTEIN

<130> PF-0261-2 DIV

<140> US 09/768,840

<141> 2001-01-23

<150> US 09/206,499

<151> 1998-12-07

<150> US 08/828,242

<151> 1997-03-31

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<211> 328

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 2509570CD1

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His	Gly	Ala	Gln	Gly	Lys	Pro	Ser	Pro	Asp	Ala	Gly	Pro	His	Gly
				20					25					30
Gln	Gly	Arg	Val	His	Gln	Ala	Ala	Pro	Leu	Ser	Asp	Ala	Pro	His
				35					40					45
Asp	Asp	Ala	His	Gly	Asn	Phe	Gln	Tyr	Asp	His	Glu	Ala	Phe	Leu
				50					55					60
Gly	Arg	Glu	Val	Ala	Lys	Glu	Phe	Asp	Gln	Leu	Thr	Pro	Glu	Glu
				65					70					75
Ser	Gln	Ala	Arg	Leu	Gly	Arg	Ile	Val	Asp	Arg	Met	Asp	Arg	Ala
				80					85					90
Gly	Asp	Gly	Asp	Gly	Trp	Val	Ser	Leu	Ala	Glu	Leu	Arg	Ala	Trp
				95					100					105
Ile	Ala	His	Thr	Gln	Gln	Arg	His	Ile	Arg	Asp	Ser	Val	Ser	Ala
				110					115					120
Ala	Trp	Asp	Thr	Tyr	Asp	Thr	Asp	Arg	Asp	Gly	Arg	Val	Gly	Trp
				125					130					135
Glu	Glu	Leu	Arg	Asn	Ala	Thr	Tyr	Gly	His	Tyr	Ala	Pro	Gly	Glu
				140					145					150
Glu	Phe	His	Asp	Val	Glu	Asp	Ala	Glu	Thr	Tyr	Lys	Lys	Met	Leu
				155					160					165
Ala	Arg	Asp	Glu	Arg	Arg	Phe	Arg	Val	Ala	Asp	Gln	Asp	Gly	Asp
				170					175					180
Ser	Met	Ala	Thr	Arg	Glu	Glu	Leu	Thr	Ala	Phe	Leu	His	Pro	Glu
				185					190					195
Glu	Phe	Pro	His	Met	Arg	Asp	Ile	Val	Ile	Ala	Glu	Thr	Leu	Glu
				200					205					210
Asp	Leu	Asp	Arg	Asn	Lys	Asp	Gly	Tyr	Val	Gln	Val	Glu	Glu	Tyr
				215					220					225
Ile	Ala	Asp	Leu	Tyr	Ser	Ala	Glu	Pro	Gly	Glu	Glu	Glu	Pro	Ala
				230					235					240

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Trp	Val	Gln	Thr	Glu	Arg	Gln	Gln	Phe	Arg	Asp	Phe	Arg	Asp	Leu
				245					250					255
Asn	Lys	Asp	Gly	His	Leu	Asp	Gly	Ser	Glu	Val	Gly	His	Trp	Val
				260					265					270
Leu	Pro	Pro	Ala	Gln	Asp	Gln	Pro	Leu	Val	Glu	Ala	Asn	His	Leu
				275					280					285
Leu	His	Glu	Ser	Asp	Thr	Asp	Lys	Asp	Gly	Arg	Leu	Ser	Lys	Ala
				290					295					300
Glu	Ile	Leu	Gly	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	Gln	Ala	Thr
				305					310					315
Asn	Tyr	Gly	Glu	Asp	Leu	Thr	Arg	His	His	Asp	Glu	Leu		
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<211> 1055

<212> DNA

<213> Homo sapiens

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<221> unsure

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ggccagggga ggggtgcacca ggcggcccc ctgagcgacg ctcccatga tgacgccac 180
gggaacttcc agtacgacca tgaggcttct ctgggacggg aagtggccaa ggaattcgac 240
caactcacc cagaggaaag ccaggcccggt ctggggcgga tcgtggaccg catggaccgc 300
gcgggggacg gcgacggctg ggtgtcgctg gccgagcttc gcgcgtggat cgcgcacacg 360
cagcagcggc acatacggga ctcggtgagc gcggcctggg acacgtacga cacggaccgc 420
gacgggctg tgggttgga ggagctgcgc aacgccacct atggccacta cgcgcccggt 480
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				20					25					30

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Pro	Thr	Val	Arg	Lys	Glu	Arg	Val	Val	Arg	Pro	Asp	Ser	Glu	Leu	
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Gly	Glu	Arg	Pro	Pro	Glu	Asp	Asn	Gln	Ser	Phe	Gln	Tyr	Asp	His	
				50					55					60	
Glu	Ala	Phe	Leu	Gly	Lys	Glu	Asp	Ser	Lys	Thr	Phe	Asp	Gln	Leu	
				65					70					75	
Thr	Pro	Asp	Glu	Ser	Lys	Glu	Arg	Leu	Gly	Lys	Ile	Val	Asp	Arg	
				80					85					90	
Ile	Asp	Asn	Asp	Gly	Asp	Gly	Phe	Val	Thr	Thr	Glu	Glu	Leu	Lys	
				95					100					105	
Thr	Trp	Ile	Lys	Arg	Val	Gln	Lys	Arg	Tyr	Ile	Phe	Asp	Asn	Val	
				110					115					120	
Ala	Lys	Val	Trp	Lys	Asp	Tyr	Asp	Arg	Asp	Lys	Asp	Asp	Lys	Ile	
				125					130					135	
Ser	Trp	Glu	Glu	Tyr	Lys	Gln	Ala	Thr	Tyr	Gly	Tyr	Tyr	Leu	Gly	
				140					145					150	
Asn	Pro	Ala	Glu	Phe	His	Asp	Ser	Ser	Asp	His	His	Thr	Phe	Lys	
				155					160					165	
Lys	Met	Leu	Pro	Arg	Asp	Glu	Arg	Arg	Phe	Lys	Ala	Ala	Asp	Leu	
				170					175					180	
Asn	Gly	Asp	Leu	Thr	Ala	Thr	Arg	Glu	Glu	Phe	Thr	Ala	Phe	Leu	
				185					190					195	
His	Pro	Glu	Glu	Phe	Glu	His	Met	Lys	Glu	Ile	Val	Val	Leu	Glu	
				200					205					210	
Thr	Leu	Glu	Asp	Ile	Asp	Lys	Asn	Gly	Asp	Gly	Phe	Val	Asp	Gln	
				215					220					225	
Asp	Glu	Tyr	Ile	Ala	Asp	Met	Phe	Ser	His	Glu	Glu	Asn	Gly	Pro	
				230					235					240	
Glu	Pro	Asp	Trp	Val	Leu	Ser	Glu	Arg	Glu	Gln	Phe	Asn	Glu	Phe	
				245					250					255	
Arg	Asp	Leu	Asn	Lys	Asp	Gly	Lys	Leu	Asp	Lys	Asp	Glu	Ile	Arg	
				260					265					270	
His	Trp	Ile	Leu	Pro	Gln	Asp	Tyr	Asp	His	Ala	Gln	Ala	Glu	Ala	
				275					280					285	
Arg	His	Leu	Val	Tyr	Glu	Ser	Asp	Lys	Asn	Lys	Asp	Glu	Lys	Leu	
				290					295					300	
Thr	Lys	Glu	Glu	Ile	Leu	Glu	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	
				305					310					315	
Gln	Ala	Thr	Asn	Tyr	Gly	Glu	Asp	Leu	Thr	Lys	Asn	His	Asp	Glu	
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				20					25					30	
Arg	Val	Val	Arg	Pro	Asp	Ser	Glu	Leu	Gly	Glu	Arg	Pro	Pro	Glu	
				35					40					45	
Asp	Asn	Gln	Ser	Phe	Gln	Tyr	Asp	His	Glu	Ala	Phe	Leu	Gly	Lys	
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Glu	Asp	Ser	Lys	Thr	Phe	Asp	Gln	Leu	Ser	Pro	Asp	Glu	Ser	Lys	
				65					70					75	
Glu	Arg	Leu	Gly	Lys	Ile	Val	Asp	Arg	Ile	Asp	Ser	Asp	Gly	Asp	
				80					85					90	
Gly	Leu	Val	Thr	Thr	Glu	Glu	Leu	Lys	Leu	Trp	Ile	Lys	Arg	Val	
				95					100					105	
Gln	Lys	Arg	Tyr	Ile	Tyr	Asp	Asn	Val	Ala	Lys	Val	Trp	Lys	Asp	
				110					115					120	
Tyr	Asp	Arg	Asp	Lys	Asp	Glu	Lys	Ile	Ser	Trp	Glu	Glu	Tyr	Lys	
				125					130					135	
Gln	Ala	Thr	Tyr	Gly	Tyr	Tyr	Leu	Gly	Asn	Pro	Ala	Glu	Phe	His	
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Asp	Ser	Ser	Asp	His	His	Thr	Phe	Lys	Lys	Met	Leu	Pro	Arg	Asp	
				155					160					165	
Glu	Arg	Arg	Phe	Lys	Ala	Ser	Asp	Leu	Asp	Gly	Asp	Leu	Thr	Ala	
				170					175					180	
Thr	Arg	Glu	Glu	Phe	Thr	Ala	Phe	Leu	His	Pro	Glu	Glu	Phe	Glu	
				185					190					195	
His	Met	Lys	Glu	Ile	Val	Val	Leu	Glu	Thr	Leu	Glu	Asp	Ile	Asp	
				200					205					210	
Lys	Asn	Gly	Asp	Gly	Phe	Val	Asp	Gln	Asp	Glu	Tyr	Ile	Ala	Asp	
				215					220					225	
Met	Phe	Ser	His	Glu	Asp	Asn	Gly	Pro	Glu	Pro	Asp	Trp	Val	Leu	
				230					235					240	
Ser	Glu	Arg	Glu	Gln	Phe	Asn	Asp	Phe	Arg	Asp	Leu	Asn	Lys	Asp	
				245					250					255	
Gly	Lys	Leu	Asp	Lys	Asp	Glu	Ile	Arg	His	Trp	Ile	Leu	Pro	Gln	
				260					265					270	
Asp	Tyr	Asp	His	Ala	Gln	Ala	Glu	Ala	Arg	His	Leu	Val	Tyr	Glu	
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Ser	Asp	Lys	Asn	Lys	Asp	Glu	Met	Leu	Thr	Lys	Glu	Glu	Ile	Leu	
				290					295					300	
Asp	Asn	Trp	Asn	Met	Phe	Val	Gly	Ser	Gln	Ala	Thr	Asn	Tyr	Gly	
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